

**REMARKS**

Claim 74 is pending in this application. Reconsideration and allowance of the pending claim is hereby requested.

**Claim Rejections – 35 U.S.C. §102 and §103**

The Examiner has rejected claim 4 (now incorporated into claim 74) under 35 U.S.C. 103(a) as being unpatentable over Kimball in view of Bose. Applicant respectfully traverses the rejection of claim new claim 74 as the combination of these references fails to provide the proper motivation to combine and, as such, a *prima facie* case of obviousness has not been established.

In particular, independent method claim 74 now specifies:

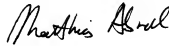
“processing the acquired sonic data to generate a slowness-versus-frequency dispersion curve for each depth;  
displaying a projection log of dispersion curve data for each depth versus depth including homogeneous and inhomogeneous characteristics of the dispersion curve data.”

The prior art of record does not provide the proper the necessary teachings to combine the cited referenced and arrive at the above claim. In light of the above remarks, applicant believes that claim 74 is in proper condition for allowance. Such allowance is earnestly requested.

In the event that any additional fees or credits are due owing to this response, the Commissioner is hereby authorized to charge the amount necessary to cover any fee that may be due or to credit any overpayment to Deposit Account 50-1122.

Respectfully submitted,

Date: \_\_\_\_\_



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